

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A signaling apparatus, comprising:
data input means for receiving user input;
a memory having signaling data stored therein;
a processor, coupled to the memory and the data input means, for
generating a signal sequence in response to a user input, the signal sequence
comprising [[a]] 5 pulse position modulated (5PPM) [[signal]] signals, the last
position of each said 5 PPM being always set to a low bit;
a modulator, coupled to the processor, for modulating the signal sequence
onto a carrier signal;
a transmitter, coupled to the modulator, for transmitting the modulated
signal sequence, including the 5 pulse position modulated [[signal]] signals.

2. Cancelled.

3. (Original) The apparatus of claim 1, wherein said signal sequence is
defined by a signaling protocol having a header portion and a payload portion.

4. (Original) The apparatus of claim 3, wherein said header portion
comprises a plurality of fields for defining said payload portion.

5. (Original) The apparatus of claim 3, wherein said payload portion is a
variable bit stream.

6. (Original) The apparatus of claim 1, wherein said data input means
comprises a keyboard.

7. (Original) The apparatus of claim 1, wherein said signal sequence
defines a position on a display of an image display device.

7 ~~11~~
8. (Original) In a control system having a signal transmitter for encoding and transmitting control signals and a signal receiver for receiving and decoding the control signals, the receiver comprising means for decoding a control signal in response to rising edges of pulses in the control signal, a control signal structure comprising:

a payload portion; and

a header portion, said header portion comprising a plurality of fields for defining said payload portion,

said header and payload portions being represented as a plurality of symbols encoded in accordance with a 5 pulse position modulation (5PPM) scheme, wherein each of said encoded symbols includes a last position that is always set to a low bit.

8 ~~8~~ 7
9. (Original) The data structure of claim 8, wherein said payload portion indicates a keyboard character.

A3
Cont
9 ~~9~~ 7
10. (Original) The data structure of claim 8, wherein said payload portion indicates coordinates for a pointing device.

10
11. (Original) The apparatus of claim 8, wherein said header portion comprises a repeat field for selectively transmitting only said header portion.

11
12. (Original) In a control system having a signal transmitter for encoding and transmitting control signals and a signal receiver for receiving and decoding the control signals, the receiver comprising means for decoding a control signal in response to rising edge of pulses in the control signal, a method of providing control signals, comprising:

generating a signal sequence in response to a user input; and

converting said signal sequence into a plurality of symbols in accordance with a 5 pulse position modulated (5PPM) scheme,

wherein said converting step comprises setting a last position of each said 5 PPM symbol to a low bit.

¹²
13. (Original) The method of claim ¹¹~~12~~, further comprising the step of defining said symbol sequence by a signaling protocol having a header portion and a payload portion.

¹³
14. (Original) The method of claim ¹¹~~12~~, further comprising the step of sending bits representing a keyboard character as said payload portion.

¹⁴
15. (Original) The method of claim ¹¹~~12~~, further comprising the step of sending bits representing a coordinate for a pointing device as said payload portion.

A3
concl